

1. Product and Company Identification

Product Identifier

Product Name: 238 Cal Pak
Product Code: CD-473691D
Recommended Use: To calibrate the pH electrode and flush the sample probe and electrode path.

Company

Diamond Diagnostics Inc.
 333 Fiske Street
 Holliston, MA 01746

Company Phone Number 508-429-0450
Email support@diamonddiagnostics.com

Emergency Telephone No: 508-429-0450

2. Hazards Identification

GHS- Classification

Classification Irritant, Corrosive



Hazard Statements

H302 Harmful if swallowed.
 H302 + H312 + H332 Harmful if swallowed, Harmful in contact with skin, Harmful if inhaled.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H335 May cause respiratory irritation.

Precautionary Statements

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
 P264 Wash skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
 P321 Specific treatment (see ... on this label).
 P322 Specific measures (see ... on this label).
 P330 Rinse mouth.
 P332 + P313 If skin irritation occurs: Get medical advice/ attention.
 P362 Take off contaminated clothing and wash before reuse.
 P403 + P233 Store in a well ventilated place. Keep container tightly closed.
 P405 Store locked up.
 P501 Dispose of contents/container to an approved waste disposal plant.

3. Composition/Information on ingredients

Chemical Name	EC No.	Reach Reg. No.	CAS-No.	Weight %	Classification
5-Bromo-5-nitro-1,3-dioxane	250-001-7	N/A	30007-47-7	< 0.015%	Acute Tox. 4; Skin Irrit. 2; H302, H315
Methylbenzethonium Chloride	246-675-7	Not available	25155-18-4	< 0.005%	Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; STOT SE 3; H302 + H312 + H332, H315, H318, H335

4. First Aid Measures

Eye Contact	Flush affected area with copious amounts of water.
Skin Contact	Flush affected area with copious amounts of water.
Inhalation	Remove from exposure and move to fresh air promptly. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Seek medical aid.
Ingestion	Rinse mouth with water, drink large quantities of water and seek medical aid.
Notes to Physician	Treat symptomatically

5. Fire-Fighting Measures

Flammable Properties	No information available
Flash Point	No information available
Suitable Extinguishing Media	Alcohol foam, water fog, CO2 or dry chemical
Hazardous Combustion Products	No information available
Protective Equipment and Precautions for Firefighters	Self-contained breathing apparatus and protective clothing

6. Accidental Release Measures

Personnel Precautions	Use personnel protective equipment. Use good laboratory procedures. Avoid inhaling ingesting and contact with skin and eyes.
Methods for Containment & Cleaning	Soak up with non-combustible absorbent material. Rinse affected area with copious amounts of water. Dispose of in accordance with applicable federal, state, and local law and regulations
Environmental Precautions	Do not let product enter drains.

7. Handling and Storage

Handling	Use good laboratory procedures. Avoid inhaling ingesting and contact with skin and eyes.
Storage	Store as recommended on product label.
Specific use	See Section 1 – Recommended Use

8. Exposure Controls / Personnel

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
5-Bromo-5-nitro-1,3-dioxane 30007-47-7	Not listed	Not listed	Not Listed
Methylbenzethonium Chloride 25155-18-4	Not listed	Not listed	Not Listed

Engineering Measures	Showers Eye Wash Stations Ventilation Systems
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Personnel Protective Equipment

Eye/Face Protection	Safety goggles with side-shields
Skin Protection	Wear protective gloves/clothing
Respiratory Protection	If exposure limits are exceeded or irritation is experienced; NISOH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required high airborne

containment concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures

Complete suit protecting against chemicals, Flame resistant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Environment Exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9. Physical and Chemical Properties

Appearance	Clear Liquid
Odor	No information available
Odor Threshold	No information available
pH	1
Melting Point	124-125°C
Freezing Point	No information available
Initial Boiling Point	Approx. 100 °C
Flash Point	No information available
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Upper/Lower flammability or explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Water Solubility	>95
Partition coefficient: (n-octanol/water)	No information available
Auto-ignition temperature	No information available
Decomposition Temperature °C	No information available
Viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

10. Stability and Reactivity

Reactivity	No information available
Chemical Stability	Stable
Incompatible Materials	Strong Acids
Hazardous Decomposition Products	No information available
Hazardous Polymerization:	Will not occur
Conditions to avoid:	Avoid exposure to heat and light.
Suggested Storage:	Store as recommended on product label.

11. Toxicological Information

Acute Toxicity	No information available
Chronic Toxicity	Corrosive to skin and eyes. Abdominal pain discomfort, nausea and diarrhea if ingested. Irritation of affected area.
Target Organ Effects	No information available
Carcinogenicity	<p>IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.</p> <p>ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.</p> <p>NTP: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.</p> <p>OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.</p>

12. Ecological Information

Ecotoxicity	Toxic to fish, daphnia and other aquatic invertebrates.
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13. Disposal Considerations

Waste Disposal Method	In accordance with applicable federal, state, and local laws and regulations.
Contaminated Packaging	In accordance with applicable federal, state, and local laws and regulations.

14. Transport Information

IATA	Not regulated
DOR	Not regulated

15. Regulatory Information

SARA 302 Components	No chemicals in this material are subject to reporting requirements of SARA Title III, Section 302.
SARA 313 Components	The following components are subject to reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards	Acute Health Hazard

Massachusetts right to know components
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania right to know components

5-Bromo-5-nitro-1,3-Dioxane	CAS-No. 30007-47-7	Revision Date:
Methylbenzethonium Chloride	25155-18-4	

New Jersey right to know components

5-Bromo-5-nitro-1,3-Dioxane	CAS-No. 30007-47-7	Revision Date:
Methylbenzethonium Chloride	25155-18-4	

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

Issuing Date	31-December-2008
Revision Date	30-November-2015
Revision Note	No information available
Recommended Restrictions	No Restrictions

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in text.